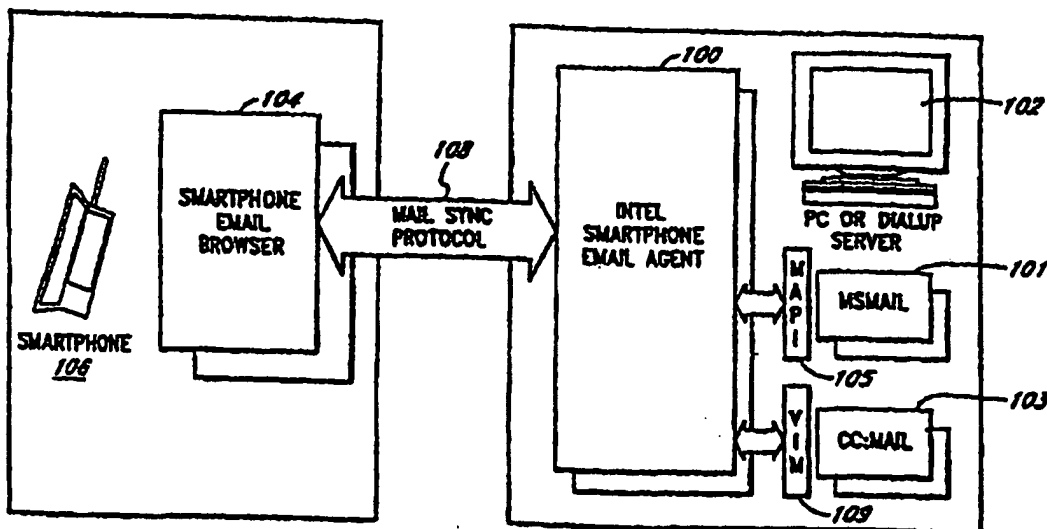




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>6</sup> : <b>G06F 17/30, 13/42, 9/46, 15/16</b>		<b>A1</b>	(11) International Publication Number: <b>WO 97/41520</b>
			(43) International Publication Date: 6 November 1997 (06.11.97)
(21) International Application Number: <b>PCT/US97/04719</b>		(81) Designated States: AL, AM, AT, AT (Utility model), AU (Petty patent), AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).	
(22) International Filing Date: <b>20 March 1997 (20.03.97)</b>			
(30) Priority Data: <b>08/640,334 30 April 1996 (30.04.96) US</b>			
(71) Applicant (for all designated States except US): <b>INTEL CORPORATION [US/US]; 2200 Mission College Boulevard, Santa Clara, CA 95052 (US).</b>			
(72) Inventors; and (75) Inventors/Applicants (for US only): <b>HUANG, Chu-Yi [-/US]; Apartment 12, 10620 S.W. Davies Road, Beaverton, OR 97008 (US). ROMRELL, David, A. [US/US]; 2323 N.W. 188th Avenue #1911, Hillsboro, OR 97124 (US). TSO, Michael, Man-Hak [AU/US]; 5744 S.E. Preston Court, Hillsboro, OR 97123 (US).</b>			
(74) Agents: <b>TAYLOR, Edwin, H. et al.; Blakely, Sokoloff, Taylor &amp; Zafman LLP, 1279 Oakmead Parkway, Sunnyvale, CA 94086 (US).</b>		<p><b>Published</b></p> <p><i>With international search report.</i></p> <p><i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>	

(54) Title: A METHOD FOR SCALING LARGE E-MAIL DATABASES FOR DEVICES WITH LIMITED STORAGE



## (57) Abstract

A method and apparatus for scaling E-mail (electronic mail) address book (132) databases for devices with limited storage capacity and synchronization of a first set of mail subserver (128) for automatically generating a default personal address book (PAB) (128) and a mail synchronizer for application independent E-mail synchronization. A pseudo unique identification (200) is generated for each message or folder in the mail boxes to be synchronized. An event log (202) is then generated for each mail box. The memory also has a synchronization mechanism (236) for making the first set of data and the second set of data equivalent by using the information in the change list generated by the change detection mechanism (230).